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Architecture Governance and Data



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Purpose of FORCEnet Architecture



- Architecture Data is Used to Describe
 - What Exists Today (As-Is) Plus Planned/Programmed (To-Be)
 - What Should Exist in the Future (Target)
- FORCEnet Integrated Architecture Data Supports the Entire Naval Enterprise:
 - Capabilities
 - Warfighters
 - Resource Sponsors
 - Acquisition Community
 - Acquisition and Technology Managers
 - Solution Developers

Goal: Provide the Objective Data Needed to Support the Decision-Making Process



FORCEnet Integrated Architecture

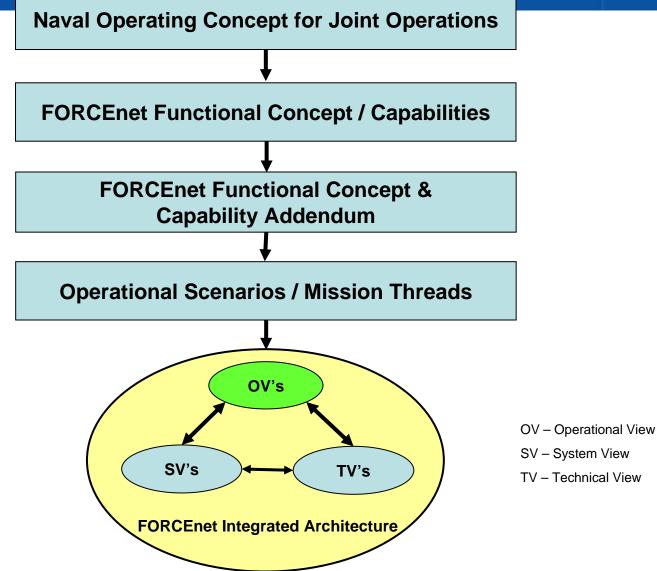


- Dec 03 Sea Trial Instruction established NETWARCOM as Operational Agent for FORCEnet.
- **Feb 04** NETWARCOM Deep Dive Action to plan for Operational View (OV) Development and Architecture Governance. Concept effort started.
- May/Jun 04 OV Plan and Architecture Governance presented at Deep Dive and Flag Summit.
- Jul 04 Monthly AV and OV Working Groups started.
- Aug 04 First Draft of AV-1 and Governance Document.
- Sep 04 Monthly SV Working Group started.
- Feb 05 FORCEnet Functional Concept signed by CNO/CMC.
- Mar 05 Monthly Integration Board started.
- Apr/Jun/Aug/Oct 05 Verification Boards.



Capability-Based Process

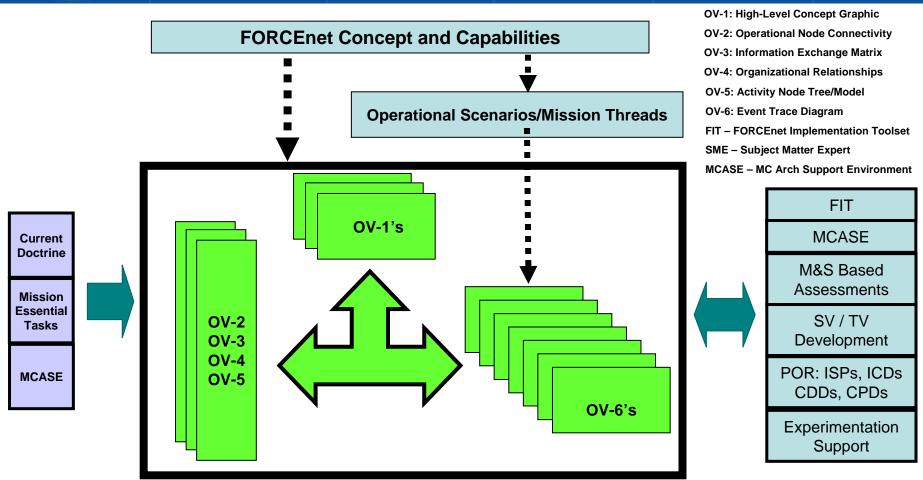






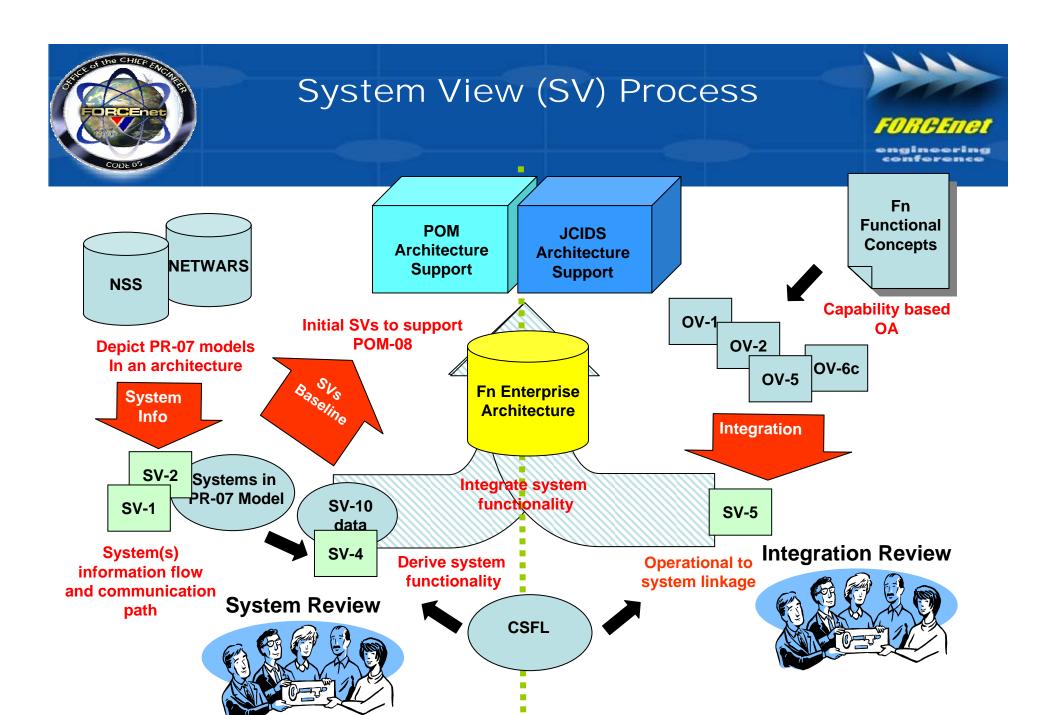
Operational View (OV) Process





Operational SME Team Review





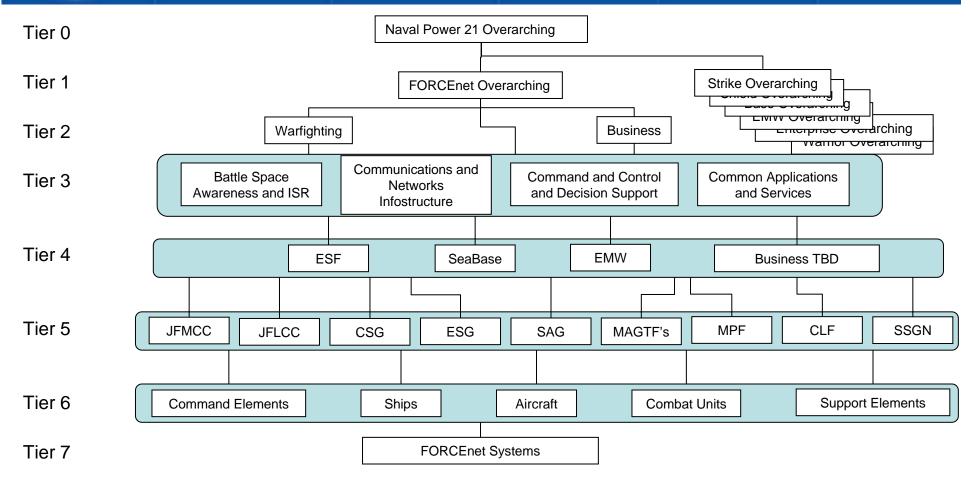
"Planned" Architecture (Bottom-up)

"Vision" Architecture (Top-dawn). ം



FORCEnet Integrated Architecture Hierarchy







Hierarchy Example

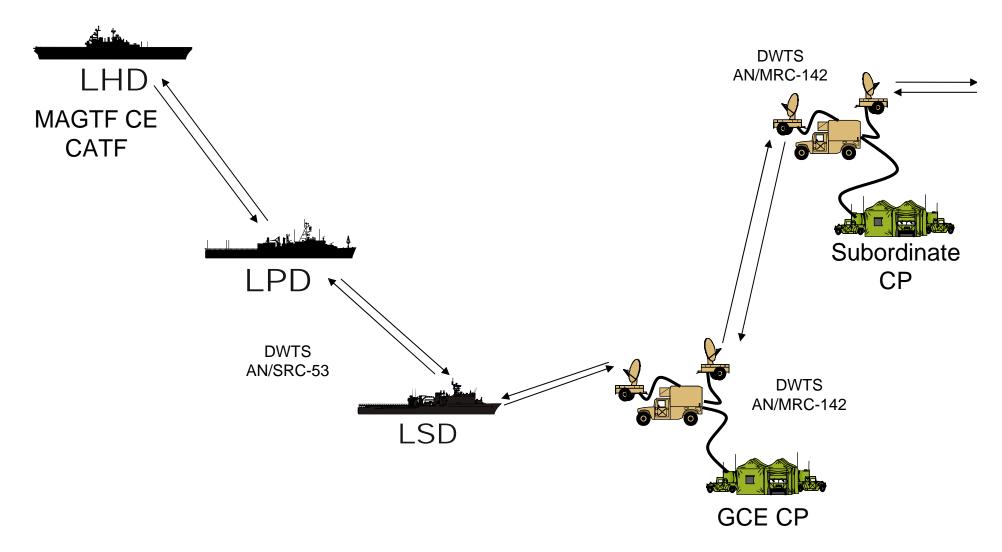


- Digital Wideband Transmission System (DWTS)
- Full Duplex Radio System
 - Landing Force Data Communications up to 512kbs.
 - Procured by MARCORSYSCOM For Marine Corps
 - Procured by SPAWARSYSCOM for Navy



DWTS SV-1

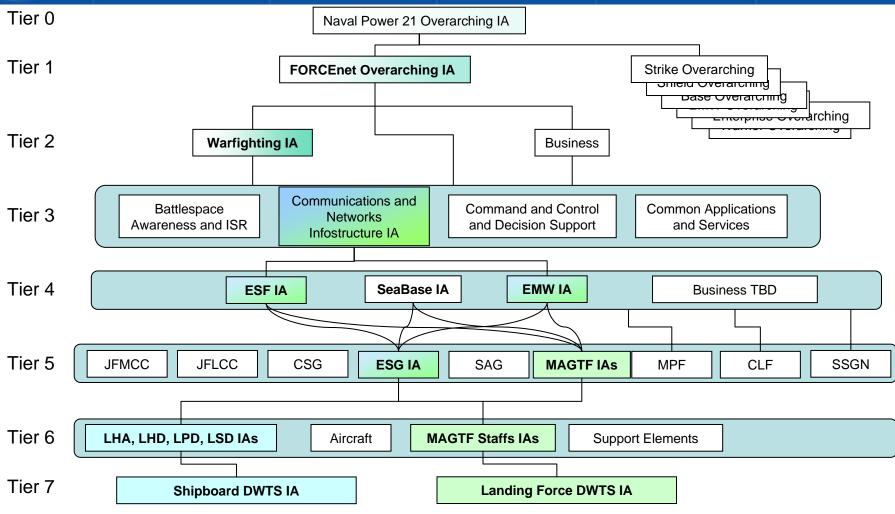






DWTS Capability



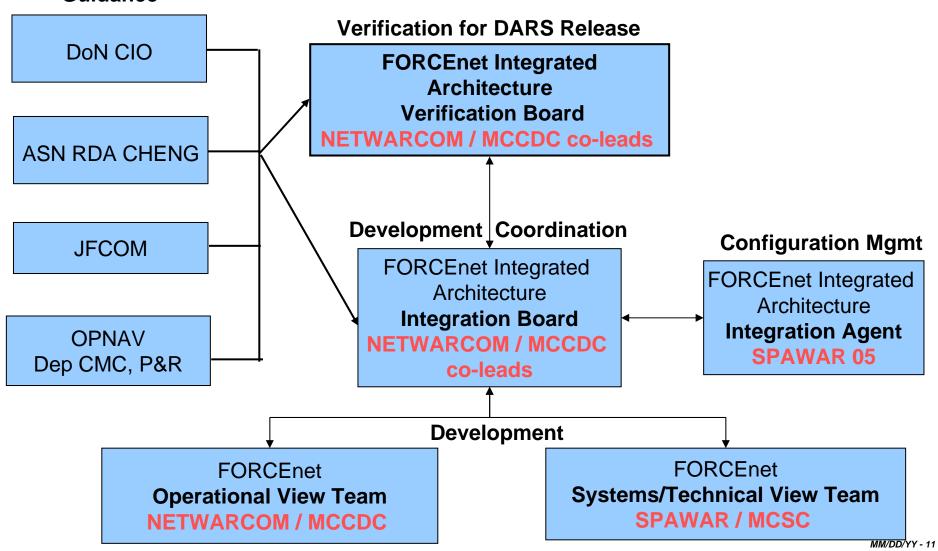




FORCEnet Architecture Governance



Guidance





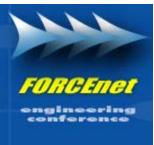
Verification Board



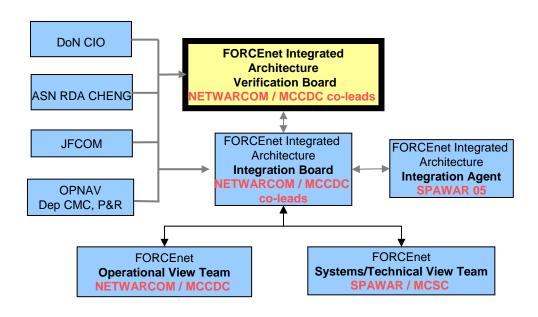
- Mission: Verify FORCEnet Integrated Architecture products are ready for release to the DOD Architecture Repository System (DARS)
- Evaluation Criteria:
 - Maturity
 - DODAF compliance
 - Correct representation of the FORCEnet Functional Concept and other authoritative sources
- Voting:
 - 2/3 Quorum
 - 2/3 Majority vote
- Decisions:
 - Direct product configuration management and DARS release
 - Direct additional work



Verification Board Membership



- 1. NNWC (Co-Chair)
- 2. MCCDC (Co-Chair)
- 3. SPAWAR
- 4. MCSC
- 5. **OPNAV N71**
- 6. OPNAV N704
- **7. OPNAV N20**
- 8. NWDC
- 9. Dep CMC, PP&O
- 10. Dep CMC, P&R
- 11. Dep CMC, Aviation
- 12. Dep CMC, I&L
- 13. Director, HQMC C4
- 14. Director, Intel
- 15. RDA CHENG
- **16. DoN CIO**
- 17. ONR





Released Views



- R 040037Z NOV 05
 - FM COMSPAWARSYSCOM SAN DIEGO CA
 - SUBJ/FORCENET ARCHITECTURE PRODUCT AVAILABILITY//
- -AV-1 (VER 1.0): OVERVIEW AND SUMMARY INFORMATION
- -AV-2 (VER 1.0): INTEGRATED DICTIONARY (DEVELOPMENT PROCESS ONLY;
- -OV-1 (VER 2.0): HIGH-LEVEL OPERATIONAL CONCEPT GRAPHIC
- -OV-2 (VER 1.0): OPERATIONAL NODE CONNECTIVITY DESCRIPTION
- -OV-4 (VER 1.0): ORGANIZATIONAL RELATIONSHIPS CHART
- -OV-5 (VER 2.0): OPERATIONAL ACTIVITY MODEL
- **-OV-6C** (VER 1.0): OPERATIONAL EVENT TRACE DESCRIPTION (HOMELAND DEFENSE [HLD]-MARITIME DOMAIN AWARENESS [MDA])
- -OV-6C (VER 1.0): OPERATIONAL EVENT TRACE DESCRIPTION (INTELLIGENCE SURVEILLANCE RECONNAISANCE [ISR]-TIME CRITICAL STRIKE [TCS])
- -TV-1 (VER 1.0): TECHNICAL STANDARDS PROFILE
- -TV-2 (VER 1.0): TECHNICAL STANDARDS FORECAST
- Top-Level Architecture For FORCEnet Domain Within Naval Power 21
- Supports Navy and Marine Corps
 - Analysis, Planning, Engineering, Acquisition, Contracting, Modeling, Simulation, Testing
- Available In Navy Community of Interest (COI) Section Of DARS.





Questions